OM nucleic - nucleic search, using sw model

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Run on: February 24, 2004, 11:09:36 ; Search time 147 Seconds
(without alignments)
6312.094 Million cell updates/sec

Title: US-10-063-675-17
Perfect score: 1672
Sequence: 1 gcagcggcgaggcggcggtg.........aaaaaaaaaaaaaaaaaaaa 1672

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	911.4	54.5	1124	2	US-08-966-316-11	Sequence 11, Appl
2	359.6	21.5	2876	4	US-09-489-847-22	Sequence 22, Appl
3	348.2	20.8	2871	4	US-08-489-847-111	Sequence 111, App
4	93	5.6	1091	4	US-09-328-965-1	Sequence 1, Appl
5	91.6	5.5	396	4	US-09-640-173-33	Sequence 33, Appl
6	91.6	5.5	396	4	US-09-713-550-33	Sequence 33, Appl
7	91.6	5.5	396	4	US-09-713-550-53	Sequence 53, Appl
8	90.4	5.4	396	4	US-09-640-173-53	Sequence 53, Appl
9	89.6	5.4	396	4	US-09-713-550-53	Sequence 53, Appl
10	89.6	5.4	1582	3	US-08-545-196B-10	Sequence 10, Appl
11	88.2	5.3	1582	3	US-08-545-196B-12	Sequence 12, Appl
12	87.4	5.2	1342	4	US-09-489-847-89	Sequence 89, Appl
13	87.4	5.2	1066	4	US-08-157-101A-4	Sequence 4, Appl
14	87	5.2	2447	2	US-09-014-969-14	Sequence 14, Appl
15	86.8	5.2	194	4	US-09-621-976-9596	Sequence 9596, Ap
16	86.8	5.2	1117	3	US-09-247-373B-33	Sequence 33, Appl
17	86.8	5.2	671	1	US-08-280-443-1	Sequence 1, Appl
18	86.8	5.2	671	1	US-08-457-459-1	Sequence 1, Appl
19	86.8	5.2	671	1	US-08-555-678-1	Sequence 1, Appl
20	86.4	5.2	671	5	PCT-US95-02275-1	Sequence 79, Appl
21	86.4	5.2	990	4	US-09-800-729-79	Sequence 1, Appl
22	86.4	5.2	3715	4	US-09-234-245-1	Sequence 1, Appl
23	86.4	5.2	6409	4	US-09-967-908A-1	Sequence 1, Appl
24	86.2	5.2	396	4	US-09-640-173-10	Sequence 10, Appl
25	86	5.1	396	4	US-09-027-137-2	Sequence 2, Appl
26	86	5.1	2852	3	US-09-713-550-10	Sequence 10, Appl
27	85.8	5.1	1641	1	US-08-300-903A-8	Sequence 8, Appl
28	85.8	5.1	1641	4	US-08-988-197-8	Sequence 8, Appli
29	85.4	5.1	1048	4	US-09-489-847-38	Sequence 38, Appli
30	85.2	5.1	7724	4	US-08-486-049-1	Sequence 1, Appli
31	85	5.1	1297	4	US-09-800-729-80	Sequence 80, Appli
32	85	5.1	1474	4	US-08-821-994-64	Sequence 64, Appli
33	84.8	5.1	323	4	US-09-621-976-10374	Sequence 10374, A
34	84.6	5.1	177	4	US-09-621-976-1047	Sequence 1047, Ap
35	84.6	5.1	639	4	US-09-482-273-49	Sequence 49, Appli
36	84.6	5.1	1141	4	US-09-800-729-78	Sequence 78, Appli
37	84.6	5.1	1736	3	US-09-182-816-22	Sequence 22, Appl
38	84.6	5.1	1736	3	US-09-471-528-22	Sequence 22, Appl
39	84.6	5.1	1736	3	US-09-182-816-24	Sequence 24, Appl
40	84.6	5.1	1736	3	US-09-471-528-24	Sequence 24, Appl
41	84.6	5.1	1736	3	US-09-634-530-24	Sequence 24, Appl
42	84.6	5.1	1736	3	US-09-634-530-22	Sequence 22, Appl
43	84.6	5.1	2323	4	US-09-149-476-24	Sequence 24, Appl
44	84.6	5.1	2434	4	US-09-489-847-67	Sequence 67, Appl
45	84.4	5.0	396	4	US-09-640-173-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-08-966-316-11
Sequence 11, Application US/08966316
Patent No. 5932445
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Au-Young, Janice
APPLICANT: Reddy, Roopa
APPLICANT: Murry, Lynn E.
APPLICANT: Mathur, Preete
TITLE OF INVENTION: SIGNAL PEPTIDE - CONTAINING PROTEINS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/966,316
FILING DATE: Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0424 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: LEUKNOT03
CLONE: 1880692
US-08-966-316-11

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Qy    Query Match
      Best Local Similarity    54.5%;    Score 911.4;  DB 2;  Length 1124;
Db    Matches 954; Conservative  0; Mismatches  6;  Indels  29;  Gaps  1;

Qy    1    GCAGCGCCGGAGCGGCGGCGGTGGCTGAGTCCGTGGTGGCAGAGGCGGAAGGCGGACAGCTC    60
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Db    7    GCAGCGCCGGAGCGGCGGCGGTGGCTGAGTCCGTGGTGGCAGAGGCGGAAGGCGGACAGCTC    66

Qy    61   ---------------------------------ATGCGGGTGGGTTCCGGATAGGGCTGCTGC    91
                                            ||||||||||||||||||||||||||||
Db    67   TAGGGGTTGGGCACCGGGCCCCGAGGAGGGATGGGGGTCCGGGTTCCGGATAGGGCTGCTGC    126

Qy    92   TGTGTTGCGGGTTGCTGCTTGCTTGGCCTCCGGCGTCCTTCCTCGGGGATGAAGGAAGGCAGGACCATACTACTG    151
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    127  TGTGTTGCGGGTTGCTGCTTGCTTGGCCTCCGGCGTCCTTCCTCGGGGATGAAGGAAGGCAGGACCATACTG    186

Qy    152  AATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAAGGACCATACTACTG    211
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    187  AATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAAGGACCATACTACTG    246

Qy    212  CAGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTCAGAAGAATCTGAATTAGAAATCCT    271
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    247  CAGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTCAGAAGAATCTGAATTAGAAATCCT    306

Qy    272  CTATTCAAGAGAGGAAGAGAGCAGCCTCAAGAGCCCAGAGGGGGAAAAGTGTCACAGAAGATA    331
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Db    307  CTATTCAAGAGAGGAAGAGAGCAGCCTCAAGAGCCCAGAGGGGGAAAAGTGTCACAGAAGATA    366

Qy    332  TCAGCTTTCTAGAGTCTCCAAATCCAGAAAACAAGGACTATGAAGAGAGCCAAAGAAAAGTAC    391
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    367  TCAGCTTTCTAGAGTCTCCAAATCCAGAAAACAAGGACTATGAAGAGAGCCAAAGAAAAGTAC    426

Qy    392  GGAAACCAGCTTTGACCGCACAGCACATGGGAGCCCTGCCACTTCCCTT    451
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Db    427  GGAAACCAGCTTTGACCGCACAGCACATGGGAGCCCTGCCACTTCCCTT    486

Qy    452  TTCTTTTTCCTAGATAAGGAGTAATGAATGTACATCAGATGGGGAGGGAGGGAGATGGCAGAC    511
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    487  TTCTTTTTCCTAGATAAGGAGTAATGAATGTACATCAGATGGGGAGGGAGGGAGATGGCAGAC    546

Qy    512  TGTGGTGTGCTACAACCTATGACTACAAAAGCAGATGAAAAGTGGGGGCTTTTGTGAAACTG    571
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    547  TGTGGTGTGCTACAACCTATGACTACAAAAGCAGATGAAAAGTGGGGGCTTTTGTGAAACTG    606

Qy    572  AAGAGAGAGGCTGCTAAGAGACCGCAGAGTGCCAGAAGCAGAGAAATGATGTTATCAAAACTGGAA    631
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    607  AAGAGAGAGGCTGCTAAGAGACCGCAGAGTGCCAGAAGCAGAGAAATGATGTTATCAAAACTGGAA    666

Qy    632  TGAAAAATCCTTAATGAAGCAATAGAAAAGGCCAAAAAGAGAAGCTACTCGGTATCTCC    691
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    667  CGAAAATCCTTAATGGAAGCAATAGAAGAAAAGCCAAAAAGAGAAGCTACTCGGTATCTCC    726

Qy    692  AAAAGGCAGCAAGCAAGCAATGAAACCATACCAAAAGCCCTGGAGAGAGAGTGTCATAGTCTCTTTTAT    751
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Db    727  AAAAGGCAGCAAGCAAGCAATGAAACCATACCAAAAGCCCTGGAGAGAGAGTGTCATAGTCTCTTTTAT    786

Qy    752  TTGGTGATTACTTGCCACAGAATATCCAGGCAGCGCGAGAGAGATGTTTGAGAAGCTGACTG    811
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Db    787  TTGGTGATTACTTGCCACAGAATATCCAGGCAGCGCGAGAGAGATGTTTGAGAAGCTGACTG    846

Qy    812  AGGAAGGCTCTCCCAAAGGGCACAGAGACTGCTCGCTCTGGGCTTCTCGTATGCCTCTGGACTTGGTG    871
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    847  AGGAAGGCTCTCCCAAAGGGCACAGAGACTGCTCGCTCTGGGCTTCTCGTATGCCTCTGGACTTGGTG    906

Qy    872  TTAATTCAAGTCAGGCAAAGGCTCTTGTATTATTACATTTGGAGCTCTTGGGGGGCAAATC    931
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Db    907  TTAATTCAAGTCAGGCAAAGGCTCTTGTATTATTACATTTGGAGCTCTTGGGGGGCAAATC    966

Qy    932  TAATAGCCCACATGGTTTTGGTTAAGTAGA    960
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Db    967  TAATAGCCCACATGGTTTTGGGTTACAGA    995
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RESULT 2
US-09-489-847-22
;    Sequence 22, Application US/09489847
;    Patent No. 6476195
;    GENERAL INFORMATION:
;    APPLICANT: Rosen et al
;    TITLE OF INVENTION: 98 Human Secreted Proteins
;    FILE REFERENCE: PZ031P1
;    CURRENT APPLICATION NUMBER: US/09/489,847
;    CURRENT FILING DATE: 2000-01-24
;    EARLIER APPLICATION NUMBER: PCT/US99/17130
;    EARLIER FILING DATE: 1999-07-29
;    EARLIER APPLICATION NUMBER: 60/094,657
;    EARLIER FILING DATE: 1998-07-30
;    EARLIER APPLICATION NUMBER: 60/095,486
;    EARLIER FILING DATE: 1998-08-05
;    EARLIER APPLICATION NUMBER: 60/096,319
;    EARLIER FILING DATE: 1998-08-12
;    EARLIER APPLICATION NUMBER: 60/095,454
;    EARLIER FILING DATE: 1998-08-06
;    EARLIER APPLICATION NUMBER: 60/095,455
;    EARLIER FILING DATE: 1998-08-06
;    NUMBER OF SEQ ID NOS: 376
;    SOFTWARE: Patentin Ver. 2.0
;    SEQ ID NO 22
;        LENGTH: 2876
;        TYPE: DNA
;        ORGANISM: Homo sapiens
US-09-489-847-22

Qy    Query Match
      Best Local Similarity    21.5%;    Score 359.6;  DB 4;  Length 2876;
Db    Matches 404; Conservative  0; Mismatches  9;  Indels  29;  Gaps  1;

Qy    2    CAGCGGCGGAGCGGCGGCGGTGGCTGAGTCCGTGGTGGCAGAGGCGGAAGGCGGACAGCTC-    60
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Db    10   CGGCGGCGGAGCGGCGGCGGTGGCTGAGTCCGTGGTGGCAGAGGCGGAAGGCGGACAGCTCT    69

Qy    61   -------------------------ATGCGGGTGGGTTCCGGATAGGGCTGCTGCTGTGCT    92
                                    ||||||||||||||||||||||||||||||||||||
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Qy    93   GTGTGCGGGTGCTGCTAGCTTGGCCTCCGGCGTCCTTCCTCGGGGATGAAGGAAGGCAGGATGA    152
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    130  GTGTGCGGGTGCTGCTAGCTTGGCCTCCGGCGTCCTTCCTCGGGGATGAAGGAAGGCAGGATGA    189

Qy    153  ATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAAGGACCATACTACTGC    212
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    190  ATCCTTAGATTCCAAGACTACTTTGACATCAGATGAGTCAGTAAAGGACCATACTACTGC    249

Qy    213  AGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTCAGAAGAATCTGAATTAGAAATCCTC    272
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    250  AGGCAGAGTAGTTGCTGGTCAAATATTTCTTGATTCAGAAGAATCTGAATTAGAAATCCTC    309

Qy    273  TATTCAAGAGAGGAAGAGAGCACGCCTCAAGAGCCCAGAGGGGAAAGTGTCACAGAAGATAT    332
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Db    310  TATTCAAGAGAGGAAGAGAGACAGCCTCAAGAGCCCAGAGGGGTGTCACAGAAGAGATAT    369

Qy    333  CAGCTTTCTAGAGTCTCCAAATCCAGAAAACAAGGACTATGAAGAGAGCCAAAGAAAAGTACG    392
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Db    370  CAGCTTTCTAGAGTCTCCAAATCCAGAAAACAAGGACTATGAAGAGAGCCAAAGAAAAGTACG    429

Qy    393  GAAACCAGCTTTGACCGCCCATT    414
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Db    430  GAAACCAGGTAGTCTGACACATT    451
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RESULT 3
US-09-489-847-111
;    Sequence 111, Application US/09489847
;    Patent No. 6476195
;    GENERAL INFORMATION:
;    APPLICANT: Rosen et al
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